

AQ-17 Proposed and analyzed Road work to improve exiting conditions and reduce sedimentation over the existing conditions

Nate Millet and Tim Price October 2016

Road	Creek	Location	Issue	Action
517	Papoose	T24N R1W Sec 28 (lower x-ing)	inboard ditch connected to Papoose Culvert	add a cross drain up-ditch from culvert
2109	Shingle	T24N R1W Sec 33	inboard ditch connected to Shingle Culvert	Add rolling dip between Shingle and Trib
2109	Shingle	T24N R1W Sec 34	inboard ditch connected to Shingle Culvert	Add rolling dip between Shingle and existing cross drain
517	Papoose	T24N R1W Sec 26	plugged culvert	excavate culvert
517	Papoose	T24N R1W Sec 26	connected inboard ditch	add cross drain up-ditch
2109C	Shingle Trib	T24N R1W Sec 5	connected inboard ditch	outslope approach 200' either side of crossing
487	Squaw	T24N R1W Sec 14	undersized culvert, erosion around culvert outlet	install larger, bottomless culvert. Rip-rap around outlet

Jen McAdoo July 2016

Road	Creek	Location	Issue	Action
76004	Shingle Tributary	T24N R1W Sec 26	Fully plugged culvert inlet	excavate culvert inlet
9908A	SF Shingle Creek	T23N R1W Sec 4 or 9?	Partially (?) plugged culvert inlet	excavate culvert inlet
9908A	SF Shingle Creek	T23N R1W Sec 4 or 9?	undersized culvert	resize from 1.5' to 2.5'
487B	Squaw Trib	T24N R1W Sec 13	bent culvert outlet	obliterate road? Else replace crossing
487B	Squaw Trib	T24N R1W Sec 14	long culvert approach, steep slope	obliterate road? Else add 1 or more cross drains

517	Papoose	T24N R1W Sec 28	undersized culvert	replace culvert
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These roads were identified to be decommissioned during the 6.28.2016 Windy Shingle Travel Analysis Matrix					
Road	Main Road	Road location	Watershed	Watershed #	Length (Miles)
76001	9908	T23N R1W Sec 3	Lower Rapid River	170602100404	0.20
76005	517	T24N R1W Sec 26	Lower Rapid River	170602100404	0.47
76301	517	T24N R1W Sec 26	Lower Rapid River	170602100404	0.50
76302	517	T24N R1W Sec35	Lower Rapid River	170602100404	0.24
2056C2	2056	T22N R1E Sec 6	Sheep Creek - Little Salmon River	170602100503	0.30
2056C3	2056	T22N R1E Sec 6	Sheep Creek - Little Salmon River	170602100503	0.20
2056D	2056	T23N R1W sec 25	Sheep Creek - Little Salmon River	170602100503	0.70
2056E	2056	T22N R1E Sec 6	Sheep Creek - Little Salmon River	170602100503	0.64
76002	2056	T23N R1E Sec 14	Sheep Creek - Little Salmon River	170602100503	1.00
76006	517	T24N R1W Sec 27	Squaw Creek	170602100504	0.11
76010	487	T24N R1W Sec 14	Squaw Creek	170602100504	0.24

76011	487B	T24N R1W Sec 13	Squaw Creek	170602100504	0.29
76012	9901	T24N R1W Sec 14	Squaw Creek	170602100504	0.33
76013	9901	T24N R1W Sec 14	Squaw Creek	170602100504	0.15

Road Manager recommended proposed work

Road No.	BMP	EMP	Proposed Treatments
487	0.0000	2.2000	2.2000 aggregate surfacing
487	2.2000	3.8100	1.6100 aggregate addition
487	3.8100	4.0000	0.1900 minor brushing
487	6.7000	7.5500	0.8500 minor brushing
487	7.5500	11.0390	minor brushing
517	4.7200	11.5200	6.8000 fix undersized culvert at Papoose creek, aggregate resurfacing and brushing.
517	11.5200	15.6000	4.0800 fix undersized culvert at Papoose creek, aggregate resurfacing and brushing.
624	0.7500	1.4000	0.6500 minor blading, assure meet current design standards for log haul. Drainage improvements.

624	1.4000	5.0000	3.6000	brushing, minor blading, assure meeting current design standards for log haul, drainage improvements
624	5.0000	7.2000	2.2000	brushing, minor blading, meet current design standards for log haul, drainage improvements may be needed.
2056	0.0000	3.0160	3.0160	brushing and reconditioning
2056	3.1000	4.5500	1.4500	brushing, clearing and grubbing, drainage improvements
2056	4.5500	6.2500	1.7000	brushing, clearing and grubbing, drainage improvements, fix road sluffing
2056	6.2500	7.6070	1.3570	drainage improvements, needs brushing and clearing and grubbing, spot rock
2056	7.6070	8.7660	1.1590	drainage improvements, needs brushing and clearing and grubbing, spot rock
2109	0.0000	4.3900	4.3900	brushing minor slump fix.
2109	4.3900	5.6000	1.2100	decommission.
2110	0.1610	0.7030	0.5420	Improvements by our road crew were done in Summer of 2016 including some blading, spot graveling, shoulder widening and replacement of a culvert.
2110	0.7030	0.8800	0.1770	Maintenance before haul.
9901	0.0000	4.3000	4.3000	minor brushing and road work
9908	0.0000	2.3000	2.3000	Road reconditioning, C+G and drainage improvements

9928 0.0000 0.2540 0.2540 reconditioning, C+G and drainage work

76001 0.0000 0.2000 0.2000 Decommission-Obliteration

76002 0.0000 1.0000 1.0000 road improvements then decommission with timber sale.

76003 0.0000 0.2700 0.2700 decommission

76004 0.0000 0.3500 0.3500 Fix rutted areas and brushing as needed.

76005 0.0000 0.4700 0.4700 Decommission-Obliteration

76006 0.0000 0.1100 0.1100 Decommission-Obliteration

76007 0.0000 0.0920 0.0920 Decommission

76008 0.0000 0.1050 0.1050 decommission

76009 0.0000 0.3580 0.3580 decommission

76010 0.0000 0.2410 0.2410 decommission-Obliteration

76011 0.0000 0.2900 0.2900 Decommission-Obliteration

76012 0.0000 0.3300 0.3300 Decommission-Obliteration

76013 0.0000 0.1500 0.1500 Decommission-Obliteration

76301 0.0000 0.5000 0.5000 Decommission-Obliteration

76302 0.0000 0.2400 0.2400 Decommission-Obliteration

2056A 0.0000 1.0600 1.0600 closed all year around

2056A1 0.0000 1.2000 1.2000 decommission

2056C 0.0000 2.3000 2.3000 decommission

2056C1 0.0000 0.2000 0.2000 decommission

2056C2 0.0000 0.3000 0.3000 decommission

2056C3 0.0000 0.2000 0.2000 Decommission

2056D 0.0000 0.7000 0.7000 Decommission-Obliteration

2056E 0.0000 0.6400 0.6400 Decommission-Obliteration

2109A 0.0000 0.4000 0.4000 maintenance

2109C 0.0000 2.7000 2.7000 brushing and reconditioning to clean some culvert inlets, ditches and blade patches of the road.

2109C1 0.0000 0.6000 0.6000 brushing and reconditioning to clean some culvert inlets, ditches and blade patches of the road.

487A 0.0000 0.7980 0.7980 Road Improvements brushing and reconditioning.

487B 0.0000 0.8880 0.8880 decommission

487C 0.0000 0.2430 0.2430 road improvements

487D 0.0000 0.5990 0.5990 road improvements

517C	0.0000	0.1240	0.1240	maintenance.
517F	0.0000	0.3900	0.3900	brushing, clearing and grubbing and road reconditioning
517F	0.3900	0.4000	0.0100	brushing, clearing and grubbing and road reconditioning is needed
517F	0.4000	0.8390	0.4390	brushing, clearing and grubbing and road reconditioning, drainage improvements
624A	0.0000	0.8000	0.8000	clearing and grubbing and road reconditioning
624B	0.0000	0.7010	0.7010	brushing and reconditioning
76004A	0.0000	1.2000	1.2000	drainage improvement, culvert replacements, clearing and grubbing, reconditioning
9908A	0.0000	2.2000	2.2000	brushing and reconditioning
9908B	0.0000	0.8000	0.8000	Clearing and grubbing, reconditioning, drainage improvements as dips and culvert replacements.
9908D	0.0000	1.5000	1.5000	reconditioning to clean ditches and return some buried catch basins to functionality.